



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

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**D119-675-013**  
**Job Sheet 201755**



Part No: D119-675-013

Job Qty: 1 pcs

Part Name: Maintenance Step



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/9/19

Job Tracking No:

Due Date: 10/23/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP REV:A NEW ISSUE 10-09-07 JLM VERIFIED BY:DD IPP REV:B 15.11.09 PER IIN REV.C  
DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                        |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 110   | Packaging 1 - Pick Kit | 1 pcs | 10/23/19   |          | 0.00      | 0.00    | Packaging 1 - 1       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 2       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 3       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 4       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 5       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 6       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 7       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 8       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 9       |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 10      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 11      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 12      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 13      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 14      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 15      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 16      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 17      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 18      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 19      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 20      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 21      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 22      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 23      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 24      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 25      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 26      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 27      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 28      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 29      |           |          |
|       |                        |       |            |          |           |         | Packaging 1 - 30      |           |          |

(012646)

Rosales, Oscar



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Container No: S227654



Part: D119-675-013

Job No: 201755

Serial No/Batch: S227654

Revision:

Inspector:

Exp Date:

Instructions: FAA STC SR00948SE 15/04/2016 LoA C-11

|                        |        |          |           |                                       |        |          |
|------------------------|--------|----------|-----------|---------------------------------------|--------|----------|
| 120 QC 4               | 1 pcs  | 10/23/19 | 0.00 0.00 | Packaging 1 - 31                      |        |          |
|                        |        |          |           | Packaging 1 - 32                      |        |          |
|                        |        |          |           | Packaging 1 - 33                      |        |          |
|                        |        |          |           | Packaging 1 - 34                      |        |          |
|                        |        |          |           | Packaging 1 - 35                      |        |          |
|                        |        |          |           | Packaging 1 - 36                      |        |          |
|                        |        |          |           | QC 4 - 28                             |        |          |
|                        |        |          |           | QC 4 - 58                             |        |          |
|                        |        |          |           | QC 4 - 69                             |        |          |
|                        |        |          |           | QC 4 - 9                              |        |          |
|                        |        |          |           | QC 4 - 46                             |        |          |
|                        |        |          |           | QC 4 - 68                             |        |          |
|                        |        |          |           | QC 4 - 72                             | DAS 78 |          |
|                        |        |          |           | QC 4 - 74                             | 9-89   |          |
|                        |        |          |           | QC 4 - 75                             |        |          |
|                        |        |          |           | QC 4 - 78                             |        |          |
|                        |        |          |           | 130 Packaging 3-1 - Stock - B4B 1 pcs |        | 10/23/19 |
| Packaging 3 - 2 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 3 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 4 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 5 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 6 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 7 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 8 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 9 - B4B  |        |          |           |                                       |        |          |
| Packaging 3 - 10 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 11 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 12 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 13 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 14 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 15 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 16 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 17 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 18 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 19 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 20 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 21 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 22 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 23 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 24 - B4B | DAS 78 |          |           |                                       |        |          |
| Packaging 3 - 25 - B4B | 9-89   |          |           |                                       |        |          |
| Packaging 3 - 26 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 27 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 28 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 29 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 30 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 31 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 32 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 33 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 34 - B4B |        |          |           |                                       |        |          |
| Packaging 3 - 35 - B4B | DAS 21 |          |           |                                       |        |          |
| Packaging 3 - 36 - B4B | 9-89   |          |           |                                       |        |          |
| 135 DC - 1 - B4B       | 1 pcs  | 10/23/19 | 0.00 0.00 | DC - 1 - B4B                          |        |          |
|                        |        |          |           | DC - 2 - B4B                          |        |          |
| 140 QC 21 - FG         | 1 pcs  | 10/23/19 | 0.00 0.00 | QC 21 - FG - 21                       | DAS 21 |          |
|                        |        |          |           | QC 21 - FG - 70                       | 9-89   |          |
|                        |        |          |           | QC 21 - SA - 53                       | 9-89   |          |

Part Op 110 - (Pick Kit)

Descriptions: 120 - QC4 (QC4- 100% inspect kits for completeness)

OCT 29 2019

OCT 29 2019

OCT 29 2019

PKC

OCT 29 2019

OCT 29 2019

OCT 29 2019

OCT 29 2019

PKY

130 - (Identify as per dwg & Stock Location: ) Package as per PPPD119-675-013  
135 - DC (Document Control) Photocopy bluefile & type labels per PPPD119-675-013 CHG001  
140 - QC21 (QC21- Final Inspection - Work Order Release)

( 012646 )

Job BOM

| Part / Item   | Component Name   | Quantity       | Operation                  | Container                 |
|---------------|------------------|----------------|----------------------------|---------------------------|
| AN5-11A       | Bolt             | 4 Ea (4 ea) ✓  | 110-Packaging 1 - Pick Kit | 3144958(x1) 5167553(x3) ✓ |
| AN5-7A        | Bolt             | 4 Ea (4 ea) ✓  | 110-Packaging 1 - Pick Kit | F 119017-2 ✓              |
| D4084-1       | Maintenance Step | 2 pcs (2 ea) ✓ | 110-Packaging 1 - Pick Kit | S226784 ✓                 |
| NAS1149D0563J | Washer           | 8 Ea (8 ea) ✓  | 110-Packaging 1 - Pick Kit | S174288 ✓                 |

Job Allocations

| Operation                  | Component Part | Required | Inventory | Allocated |
|----------------------------|----------------|----------|-----------|-----------|
| 110-Packaging 1 - Pick Kit | AN5-11A        | 4        | 61        | 0         |
|                            | AN5-7A         | 4        | 3,034     | 0         |
|                            | D4084-1        | 2        | 0         | 0         |
|                            | NAS1149D0563J  | 8        | 1,155     | 0         |

Part Specifications

Specifications could not be found.

Plex 10/9/19 4:12 PM Dart.lajeunesse.marie

|                                                                                                                                                                                                                                                     |             |                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                        |             | DISPOSITION<br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> |  | DEPARTMENT/PROCESS<br>Skid-tube <input type="checkbox"/> Cross tube <input type="checkbox"/> Eng. (Non-AW) <input type="checkbox"/><br>Machining <input type="checkbox"/> Small Fab <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/><br>Large Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/>                                                                                                                                                                                                                                                         |  |  |  |  |  |
| Date :                                                                                                                                                                                                                                              | Sequence #: | QTY Affected :                                                                                                         |  | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                    |             |                                                                                                                        |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |
| <div>Root Cause</div> <div><div>Operator</div><div>Manufacturing Process</div><div>Equip/Tooling</div><div>Handling/Preservation</div><div>Material</div><div>Product Improvement</div><div>Process Improvement</div><div>Human Factors</div></div> |             |                                                                                                                        |  | <div>FAULT CATEGORY</div> <div><div>Pressure/Forced</div><div>Bending</div><div>Crushing</div><div>Cracks</div><div>Crimp/Kink/Ripple/Wave/Twist</div><div>Marks/Chatter</div><div>Mislabeled</div><div>Other/Details:</div></div> <div><div>Contamination</div><div>Misaligned/off center</div><div>BOM/Route</div><div>Broken/Damage/Defect</div><div>Incomplete/Unclear Instructions</div><div>Drill Holes</div><div>Fit/Function</div></div> <div><div>Power Loss/Surge</div><div>Folio/Program</div><div>Grain Direction</div><div>Weld</div><div>Wrong Stock Pulled</div><div>Out of Sequence</div><div>Off-set/Set-up</div></div> <div><div>Positioned Wrong</div><div>Outside Tolerance</div><div>Drawing</div><div>Finish</div><div>Part Lost/Missing</div><div>Misread</div></div> |  |  |  |  |  |
|                                                                                                                                                                                                                                                     |             |                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |
|                                                                                                                                                                                                                                                     |             |                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |
|                                                                                                                                                                                                                                                     |             |                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |
| Completed By                                                                                                                                                                                                                                        |             |                                                                                                                        |  | Lead hand / Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |
| QC / QA Coordinator                                                                                                                                                                                                                                 |             |                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |

5.2 Maintenance Step and Compatibility Kits Parts List

| ITEM | Qty<br>-013 | Qty<br>-015 | Part Number   | Description                      |
|------|-------------|-------------|---------------|----------------------------------|
|      | X           |             | D119-675-013  | MAINTENANCE STEP                 |
|      |             | X           | D119-675-015  | DART CROSSTUBE COMPATIBILITY KIT |
| 100  | 2           |             | D4084-1       | MAINTENANCE STEP                 |
| 101  | 4           |             | AN5-7A        | BOLT                             |
| 102  | 4           |             | AN5-11A       | BOLT                             |
| 103  | 8           |             | NAS1149D0563J | WASHER (OR AN960JD516)           |
| 104  |             | 8           | D2732-032     | RUBBER CUSHION                   |
| 105  |             | 2           | D5283-7       | CLAMP                            |
| 106  |             | 2           | D5283-11      | CLAMP                            |
| 107  |             | 2           | D5283-041     | CLAMP                            |
| 108  |             | 2           | D5283-043     | CLAMP                            |
| 109  |             | 4           | AN4-15A       | BOLT                             |
| 110  |             | 4           | AN4-16A       | BOLT                             |
| 111  |             | 4           | AN4-22A       | BOLT                             |
| 112  |             | 24          | NAS1149D0463J | WASHER (OR AN960JD416)           |
| 113  |             | 12          | MS21042L4     | NUT (OR MS21042-4)               |